

Leading the Launch



IDAHO NATIONAL ENGINEERING AND ENVIRONMENTAL LABORATORY

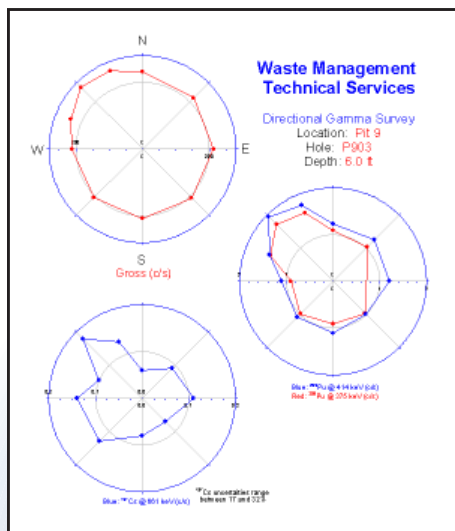
*Delivering a payload of
responsive technologies*



Technology Deployment



HOME OF SCIENCE AND ENGINEERING SOLUTIONS



Azimuthal Gamma Probehole Log

Problem

INEEL's Radioactive Waste Management Complex (RWMC) Remediation project needed to determine the location of radioactive contaminants in buried waste sites without exposing workers to transuranic or hazardous contaminants.

Baseline Technology

No known in situ technology for mapping radioactive contaminants in buried waste sites.

Innovative Technology

The Azimuthal Gamma Probehole Log determines the direction of gamma-ray emitting sources in relation to a fixed probetube location.

Comparison

This logging tool enables location of gamma-ray emitting contaminants.

Benefits

This tool enabled the RWMC Remediation project to identify the location of wastes containing ^{239}Pu so that remediation options such as selective retrieval could be evaluated.

